



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Michael J. Cudzinovic, et al.

Serial No. 10/633,212

Filed: August 1, 2003

Title: Methods and Apparatus for  
Fabricating Solar Cells

Examiner: not yet known

Art Unit: 1753

Atty. Dkt. No.: 10031.000200 (S0018)

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

**Under 37 C.F.R. §1.56 and §§1.97-98**

Sir:

Pursuant to the provisions of 37 CFR 1.56 and §§1.97-98, enclosed herewith is form PTO/SB/08 (substitute for form 1449A/PTO) listing references which may be material to the examination of this application, and with respect to which there may be a duty to disclose. The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

A copy of each listed reference is enclosed herewith, unless no such copy is required pursuant to 37 CFR § 1.98(d).

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. [SERIAL NUMBER], filed on [FILING DATE], and the references cited therein are hereby listed but are not required to be provided in this application under 37 CFR § 1.98(d).

Pursuant to 37 CFR §1.97, this Information Disclosure Statement is being submitted under the section indicated below.

- ☒ 37 CFR §1.97(b).
- ☐ 37 CFR §1.97(c). If so, then either:
- ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that either:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56 (c) more than three months prior to the filing of this Statement.
- OR
- ☐ Applicant submits the petition fee of \$180 as set forth in 37 CFR § 1.17(p).
- ☐ 37 CFR § 1.97(d). If so, then both:
- ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that either:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement.
- AND
- ☐ Applicant submits the petition fee of \$180 as set forth in 37 CFR § 1.17(p).

Consideration of the listed references and favorable action are respectfully solicited.

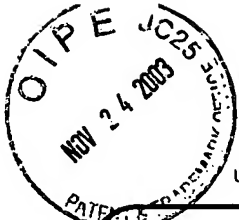
Respectfully submitted,

Michael J. Cudzinovic, et al.

Dated: November 21, 2003

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1753

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/633,212	
	Filing Date	August 1, 2003	
	First Named Inventor	Michael J. Cudzinovic	
	Art Unit	1753	
	Examiner Name	not yet known	
Total Number of Pages in This Submission	6 **	Attorney Docket Number	10031.000200 (S0018)

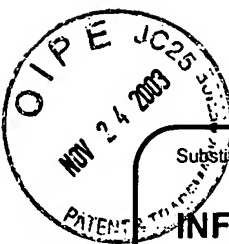
ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  <b>PTO Form SB-08ab; Copy of listed references: L - S documents only; Return receipt postcard</b>
Remarks		** does not include pages of listed references

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Patrick D. Benedicto, Reg No. 40,909 OKAMOTO & BENEDICTO LLP
Signature	<i>Patrick Benedicto</i>
Date	November 21, 2003

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Typed or printed name	Patrick D. Benedicto		
Signature	<i>Patrick Benedicto</i>	Date	November 21, 2003

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/633,212
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First Named Inventor	Michael J. Cudzinovic
Art Unit	1753
Examiner Name	not yet known
Attorney Docket Number	10031.000200 (S0018)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	A	US- 4,927,770	May 22, 1990	Swanson	
	B	US- 5,053,083	Oct. 1, 1991	Sinton	
	C	US- 5,164,019	Nov. 17, 1992	Sinton	
	D	US- 5,360,990	Nov. 1, 1994	Swanson	
	E	US- 5,369,291	Nov. 29, 1994	Swanson	
	F	US- 6,274,402	Aug. 14, 2001	Verlinden, et al.	
	G	US- 6,313,395	Nov. 6, 2001	Crane, et al.	
	H	US- 6,333,457	Dec. 25, 2001	Mulligan, et al.	
	I	US- 6,337,283	Jan. 8, 2002	Verlinden, et al.	
	J	US- 6,387,726	May 14, 2002	Verlinden, et al.	
	K	US- 6,423,568	Jul. 23, 2002	Verlinden, et al.	
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**FOREIGN PATENT DOCUMENTS**

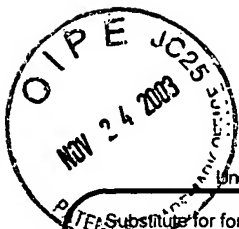
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/633,212		
		Filing Date	August 1, 2003		
		First Named Inventor	Michael J. Cudzinovic		
		Art Unit	1753		
		Examiner Name	not yet known		
Sheet	2	of	2	Attorney Docket Number	10031.000200 (S0018)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	L	W.P. MULLIGAN, et al., "A Flat-Plate Concentrator: Micro-Concentrator Design Overview", 2000, 3 sheets; Proceedings of the 28 <sup>th</sup> IEEE PVSC.	
	M	KEITH R. MCINTOSH, et al., "The Choice of Silicon Wafer for the Production of Low-Cost Rear-Contact Solar Cells", May 2003, 4 sheets; Sunnyvale, California.	
	N	P.J. VERLINDEN, et al., "Will We Have a 20%-Efficient (PTC) Photovoltaic System?", 2001, 6 sheets; Proceedings of the 17 <sup>th</sup> Europe Photovoltaic Solar Energy Conference.	
	O	WILLIAM P. MULLIGAN, et al., "Development of Chip-Size Silicon Solar Cells", 2000, 6 sheets; Proceedings of the 28 <sup>th</sup> IEEE PVSC.	
	P	AKIRA TERAQ, et al., "A Mirror-Less Design for Micro-Concentrator Modules", 2000, 4 sheets; Proceedings of the 28 <sup>th</sup> IEEE PVSC.	
	Q	P.J. VERLINDEN, et al., "Backside-Contact Silicon Solar Cells with Improved Efficiency for the '96 World Solar Challenge", 1997, 5 sheets; Proceedings of the 15 <sup>th</sup> EPSEC.	
	R	P.J. VERLINDEN, et al., "One-Year Comparison of a Concentrator Module with Silicon Point-Contact Solar Cell to a Fixed Flat Plate Module in Northern California", 2000, 4 sheets; Proceedings of the 16 <sup>th</sup> EPSEC.	
	S	RICHARD M. SWANSON, "The Promise of Concentrators", 2000, pages 93-111, Progress in Photovoltaics: Research and Applications.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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